

Fig. 1

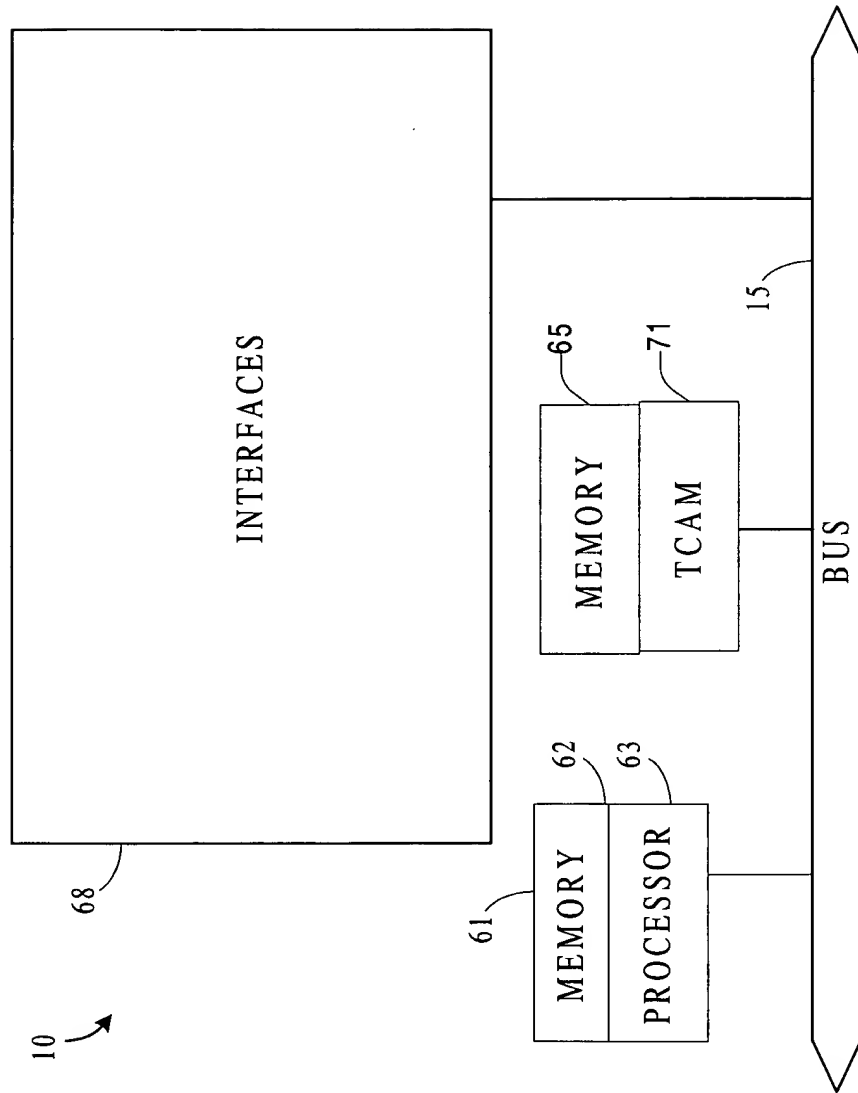
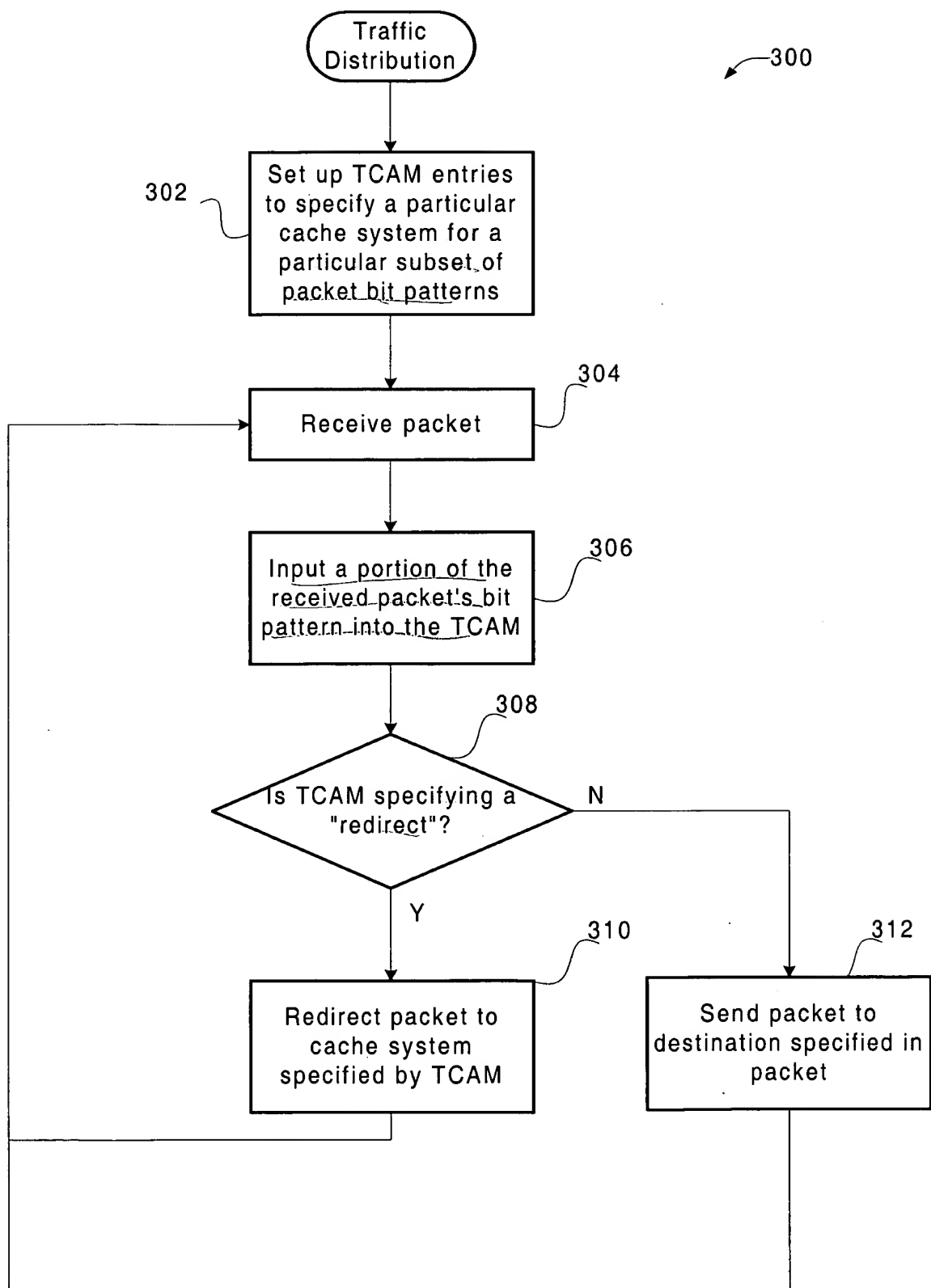


Fig. 2



**Fig. 3**

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Bits-to-Match	Action	Redirection Destination
xx00 0000	Redirect	Cache0
xx00 0001	Redirect	Cache1
xx00 0010	Redirect	Cache2
xx00 0011	Redirect	Cache3
⋮	⋮	⋮
xx11 1100	Forward	-
xx11 1101	Redirect	Cache1
xx11 1110	Redirect	Cache2
xx11 1111	Redirect	Cache3

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Fig. 4

```
bucket 0: h=00000000000000000000000000000000
bucket 1: h=000000000000000000000000100000000000
bucket 2: h=000000000000000000000000100000000000
bucket 3: h=00000000000000000000000010100000000000
bucket 4: h=000000000000000000000000100000000000
bucket 5: h=00000000000000000000000010010000000000
bucket 6: h=00000000000000000000000001100000000000
bucket 7: h=00000000000000000000000010110000000000
bucket 8: h=0000000000000000000000000100000000000
bucket 9: h=00000000000000000000000010001000000000
bucket 10: h=00000000000000000000000001010000000000
bucket 11: h=000000000000000000000000010101000000000
bucket 12: h=00000000000000000000000000110000000000
bucket 13: h=000000000000000000000000010011000000000
bucket 14: h=000000000000000000000000001110000000000
bucket 15: h=0000000000000000000000000101110000000000
bucket 16: h=0000000000000000000000000000010000000000
bucket 17: h=00000000000000000000000001000001000000000
bucket 18: h=0000000000000000000000000010001000000000
bucket 19: h=00000000000000000000000001010001000000000
bucket 20: h=0000000000000000000000000010010000000000
bucket 21: h=00000000000000000000000001001001000000000
bucket 22: h=0000000000000000000000000011001000000000
bucket 23: h=00000000000000000000000001011001000000000
bucket 24: h=0000000000000000000000000001010000000000
bucket 25: h=00000000000000000000000001000101000000000
bucket 26: h=0000000000000000000000000101010000000000
bucket 27: h=00000000000000000000000001010101000000000
bucket 28: h=0000000000000000000000000011010000000000
bucket 29: h=00000000000000000000000001001101000000000
bucket 30: h=0000000000000000000000000111010000000000
bucket 31: h=00000000000000000000000001011101000000000
bucket 32: h=000000000000000000000000000000000000000001
bucket 33: h=00000000000000000000000001000000000000001
bucket 34: h=00000000000000000000000001000000000000001
bucket 35: h=0000000000000000000000000101000000000001
bucket 36: h=000000000000000000000000001000000000001
bucket 37: h=0000000000000000000000000100100000000001
bucket 38: h=000000000000000000000000011000000000001
bucket 39: h=0000000000000000000000000101100000000001
bucket 40: h=00000000000000000000000000100000000001
bucket 41: h=0000000000000000000000000100010000000001
bucket 42: h=00000000000000000000000001010000000001
bucket 43: h=000000000000000000000000010101000000001
bucket 44: h=00000000000000000000000000110000000001
```

**Fig. 5A**





[illegible]

**Fig. 6B**



